RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/791, 814 B

Source: _____ IFW16

Date Processed by STIC: _____ 05/25/2006

ENTERED

RAW SEQUENCE LISTING   DATE: 05/25/2006
PATENT APPLICATION: **US/10/791,814B**   TIME: 08:52:13

Input Set : **A:\2006-05-22 2121-0180P.ST25.txt**
Output Set: **N:\CRF4\05252006\J791814B.raw**

```
 3 <110> APPLICANT: GUY, GOROCHOV et al.
 5 <120> TITLE OF INVENTION: METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF
CHEMOKINE VARIANTS
 7 <130> FILE REFERENCE: 2121-0180P
 9 <140> CURRENT APPLICATION NUMBER: US 10/791,814B
10 <141> CURRENT FILING DATE: 2004-03-04
12 <150> PRIOR APPLICATION NUMBER: US 09/945,665
13 <151> PRIOR FILING DATE: 2001-09-05
15 <150> PRIOR APPLICATION NUMBER: PCT/EP 02/11045
16 <151> PRIOR FILING DATE: 2002-09-05
18 <160> NUMBER OF SEQ ID NOS: 41
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 10
24 <212> TYPE: PRT
25 <213> ORGANISM: Unknown
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
30 <400> SEQUENCE: 1
32 Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
33 1               5                   10
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 10
38 <212> TYPE: PRT
39 <213> ORGANISM: Unknown
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
44 <400> SEQUENCE: 2
46 Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
47 1               5                   10
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 10
52 <212> TYPE: PRT
53 <213> ORGANISM: Unknown
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
58 <400> SEQUENCE: 3
60 Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
61 1               5                   10
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 10
```

cpg-6)

```
66 <212> TYPE: PRT
67 <213> ORGANISM: Unknown
69 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 05/25/2006
PATENT APPLICATION: US/10/791,814B   TIME: 08:52:13

Input Set : A:\2006-05-22 2121-0180P.ST25.txt
Output Set: N:\CRF4\05252006\J791814B.raw

    70 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    72 <400> SEQUENCE: 4
    74 Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
    75 1   5   10
    78 <210> SEQ ID NO: 5
    79 <211> LENGTH: 10
    80 <212> TYPE: PRT
    81 <213> ORGANISM: Unknown
    83 <220> FEATURE:
    84 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    86 <400> SEQUENCE: 5
    88 Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
    89 1   5   10
    92 <210> SEQ ID NO: 6
    93 <211> LENGTH: 10
    94 <212> TYPE: PRT
    95 <213> ORGANISM: Unknown
    97 <220> FEATURE:
    98 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    100 <400> SEQUENCE: 6
    102 Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
    103 1   5   10
    106 <210> SEQ ID NO: 7
    107 <211> LENGTH: 10
    108 <212> TYPE: PRT
    109 <213> ORGANISM: Unknown
    111 <220> FEATURE:
    112 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    114 <400> SEQUENCE: 7
    116 Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
    117 1   5   10
    120 <210> SEQ ID NO: 8
    121 <211> LENGTH: 10
    122 <212> TYPE: PRT
    123 <213> ORGANISM: Unknown
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    128 <400> SEQUENCE: 8
    130 Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
    131 1   5   10
    134 <210> SEQ ID NO: 9
    135 <211> LENGTH: 10
    136 <212> TYPE: PRT
    137 <213> ORGANISM: Unknown
    139 <220> FEATURE:
    140 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    142 <400> SEQUENCE: 9

144 Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
145 1   5   10

```
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
156 <400> SEQUENCE: 10
158 Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
159 1               5                   10
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
170 <400> SEQUENCE: 11
172 Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
173 1               5                   10
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
184 <400> SEQUENCE: 12
186 Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
187 1               5                   10
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 10
192 <212> TYPE: PRT
193 <213> ORGANISM: Unknown
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
198 <400> SEQUENCE: 13
200 Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
201 1               5                   10
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Unknown
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
212 <400> SEQUENCE: 14
214 Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
215 1               5                   10
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 10
220 <212> TYPE: PRT
```

221 <213> ORGANISM: Unknown

```
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
226 <400> SEQUENCE: 15
228 Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala
229 1               5                   10
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
240 <400> SEQUENCE: 16
242 Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
243 1               5                   10
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 10
248 <212> TYPE: PRT
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
254 <400> SEQUENCE: 17
256 Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
257 1               5                   10
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
268 <400> SEQUENCE: 18
270 Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
271 1               5                   10
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: tag HA 1.1 peptide sequence
283 <400> SEQUENCE: 19
285 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
286 1               5
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 39
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR downstream primer
298 <400> SEQUENCE: 20
299 tggggcccct ctagacatct ccaaagagtt gatgtactc                            39
```

```
    302 <210> SEQ ID NO: 21
    303 <211> LENGTH: 99
    304 <212> TYPE: DNA
    305 <213> ORGANISM: Artificial sequence
    307 <220> FEATURE:
    308 <223> OTHER INFORMATION: PCR upstream primer
    310 <220> FEATURE:
    311 <221> NAME/KEY: misc_feature
    312 <222> LOCATION: (25)..(26)
    313 <223> OTHER INFORMATION: n is a, c, g, or t
    315 <220> FEATURE:
    316 <221> NAME/KEY: misc_feature
    317 <222> LOCATION: (31)..(31)
    318 <223> OTHER INFORMATION: n is a, c, g, or t
    320 <220> FEATURE:
    321 <221> NAME/KEY: misc_feature
    322 <222> LOCATION: (34)..(35)
    323 <223> OTHER INFORMATION: n is a, c, g, or t
    325 <220> FEATURE:
    326 <221> NAME/KEY: misc_feature
    327 <222> LOCATION: (43)..(44)
    328 <223> OTHER INFORMATION: n is a, c, g, or t
    330 <220> FEATURE:
    331 <221> NAME/KEY: misc_feature
    332 <222> LOCATION: (46)..(46)
    333 <223> OTHER INFORMATION: n is a, c, g, or t
    335 <220> FEATURE:
    336 <221> NAME/KEY: misc_feature
    337 <222> LOCATION: (49)..(49)
    338 <223> OTHER INFORMATION: n is a, c, g, or t
    340 <220> FEATURE:
    341 <221> NAME/KEY: misc_feature
    342 <222> LOCATION: (52)..(52)
    343 <223> OTHER INFORMATION: n is a, c, g, or t
    345 <400> SEQUENCE: 21
W--> 346 ctcgcggccc agccggccat ggccnnktcc ncannktcct cgnnknccnc ancctgctgc      60
    348 tttgcctaca ttgcgcggcc gctgccccgt gcccacatc                             99
    352 <210> SEQ ID NO: 22
    353 <211> LENGTH: 10
    354 <212> TYPE: PRT
    355 <213> ORGANISM: Unknown
    357 <220> FEATURE:
    358 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    360 <400> SEQUENCE: 22
    362 Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
    363 1               5                   10
    366 <210> SEQ ID NO: 23
    367 <211> LENGTH: 10
    368 <212> TYPE: PRT
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/25/2006
PATENT APPLICATION: US/10/791,814B   TIME: 08:52:14

Input Set : **A:\2006-05-22 2121-0180P.ST25.txt**
Output Set: **N:\CRF4\05252006\J791814B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents, at least one n or Xaa.

Seq#:21; N Pos. 25,26,31,34,35,43,44,46,48,52
Seq#:24; Xaa Pos. 1,3,4,8,9,10
Seq#:25; Xaa Pos. 4
Seq#:26; Xaa Pos. 8
Seq#:28; Xaa Pos. 1,3,4,7,8,9,10
Seq#:29; Xaa Pos. 4
Seq#:37; Xaa Pos. 7
Seq#:38; Xaa Pos. 10
Seq#:39; Xaa Pos. 1,4,8,9,10
Seq#:41; Xaa Pos. 1,4,8,9,10

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28
Seq#:2; Line(s) 42
Seq#:3; Line(s) 56
Seq#:4; Line(s) 70
Seq#:5; Line(s) 84
Seq#:6; Line(s) 98
Seq#:7; Line(s) 112
Seq#:8; Line(s) 126
Seq#:9; Line(s) 140
Seq#:10; Line(s) 154
Seq#:11; Line(s) 168
Seq#:12; Line(s) 182
Seq#:13; Line(s) 196
Seq#:14; Line(s) 210
Seq#:15; Line(s) 224
Seq#:16; Line(s) 238
Seq#:17; Line(s) 252
Seq#:18; Line(s) 266
Seq#:22; Line(s) 358
Seq#:23; Line(s) 372

VERIFICATION SUMMARY   DATE: 05/25/2006
PATENT APPLICATION: **US/10/791,814B**   TIME: 08:52:14

Input Set : **A:\2006-05-22 2121-0180P.ST25.txt**
Output Set: **N:\CRF4\05252006\J791814B.raw**

```
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
```